Sub B1

2. (Amended) A rock boring device as claimed in Claim 1, wherein said rock boring device includes a mounting section for said rotary disc cutter and a driven section, and wherein said mounting section is angularly offset from an axis of said driven section whereby said rotary disc cutter will both oscillate and nutate.

3. (Amended) A rock boring machine, incorporating a rock boring device as claimed in Claim 1, wherein said rock boring device is mounted on a boom.

4. (Amended) A rock boring machine as claimed in Claim 3, wherein said boom is adapted to pivot about a vertical axis.

5. (Amended) A rock boring machine as claimed in Claim 3, wherein said boom is adapted to pivot about a horizontal axis.

6. (Amended) A rock boring machine as claimed in Claim 3, wherein said rock boring device is supported by said boom whereby as to be pivotable about an axis extending longitudinally of said boom.

Sub B1

7. (Amended) A rock boring machine as claimed in Claim 3, wherein said rock boring device is supported to pivot relative to said boom.

Sub B1

11. (Amended) A rock boring machine as claimed in Claim 3, wherein a plurality of said rock boring devices are carried by said rock boring machine.

12. (Amended) A rock boring machine as claimed in Claim 3, wherein a velocity of said rotary disc cutter is controlled by interaction with a computer that processes algorithms with variable information input being provided by strain gauges and accelerometers mounted adjacent to said rotary disc cutter.

13. (Amended) A rock boring machine as claimed in Claim 3, wherein said rock boring machine must be anchored or referenced to a position to insure too greater cut is not applied should said rock boring machine inadvertently move from the position it was in at the commencement of a cutting cycle.